



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949-A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

Gerard Seeley, Jr.
Regional Director

August 7, 2006

King William County
McCauley Park Subdivision
Revision 5, Force Main
21789

Todd Rodgers
McCauley Park, LLC
7240 Lee Davis Road
Mechanicsville, Virginia 23111

Dear Mr. Rodgers

This Office has received revised plans as prepared by Balzer and Associates, for the referenced facility. The plans entitled "McCauley Park, Pump Station, Plans and Specifications" with five revisions include eleven sheets and are engineer stamp dated July 11, 2006

The project consists of a previously approved gravity collection system, pump station and force main to serve a residential and commercial park. This revision modifies the force main and some construction details.

King William County will own the facility.

The evaluation of this revision has been confined to technical requirements and design criteria, as stipulated in the Commonwealth of Virginia *Sewage Collection and Treatment Regulations*.

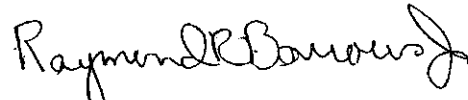
In accordance with Virginia Water Control Law, *Code of Virginia*, 1950 as amended in Title 62.1, Section 62.1-44.19, this letter report is to advise that the previously mentioned revision is technically adequate and is approved by this office.

One set of the previously described plans and specifications with Virginia Department of Environmental Quality approval stickers is enclosed.

King William County
McCauley Park Subdivision
Revision 5, Force Main
21789

This letter is your Certificate to Construct

Sincerely,

A handwritten signature in dark ink, appearing to read "Raymond R. Barrows, Jr.", with a stylized flourish at the end.

Raymond R. Barrows, Jr., P.E.
Area Engineer
Office of Wastewater Engineering

J. R. Bell Jr., DEQ-PRO
Thomas Irungu, M.D., M.P.H., Director, Three Rivers Health District
Frank A. Pleva, Administrator, King William County
F. Cameron Palmore, O.E., Balzer and Associates
James C Pyne, Ph.D., P.E., HRSD
Charles D. Riedlinger, P.E., Resource International, Ltd



RECEIVED
JUL 12 2006
PRO

LETTER OF TRANSMITTAL

TO VA DEQ
Office of Wastewater Engineering
Attn: Reed Barrows
4949-A Cox Road
Glen Allen, VA 23060

DATE	7-11-06	JOB NO.	h0200184
ATTENTION	Reed Barrows		
RE	McCauley Park Pump Station		
VIA	<input checked="" type="checkbox"/> U.S. Mail <input type="checkbox"/> U.P.S. <input type="checkbox"/> Airborne Express <input type="checkbox"/> Fed. Express <input checked="" type="checkbox"/> Hand Delivered <input type="checkbox"/> Picked Up <input type="checkbox"/> Other		

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:
☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2			Revised plans per comments by Resource International

THESE ARE TRANSMITTED as checked below:

- | | | |
|---|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> _____ | |

REMARKS

Previously approved by DEQ Office of Wastewater Engineering

COPY TO _____

SIGNED: _____

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April 28, 2006

RECEIVED
MAY 03 2006

P.N. 84008.28

Mr. Charles LeFon
King William County
P.O. Box 215
King William, VA 23086

BY:.....

**RE: McCauley Park Pump Station
King William Pump Station Re-submission**

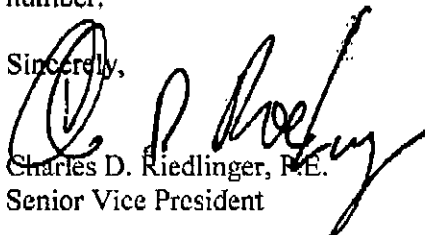
Dear Mr. LeFon:

Resource has reviewed the revised set of plans for the above referenced project. The following are comments regarding the plans.

- ✓ The surge relief valve does not have any construction data as to the installation. It should be noted that surge relief valves normally allow discharge sewage. Therefore, some method to allow the sewage to flow back to a manhole must be provided. Calculations as to what surges are anticipated should be provided, to determine if the valve size is adequate. *DETAIL AND NOTE ADDED TO SHEET C-9 FOR SURGE RELIEF VALVE SIZES PROVIDED IN FAX 5/16/06*
- ✓ Please note suggested changes of the force main construction on Sheet C-4 to eliminate an air relief valve and provide for the potential of less maintenance in the future. If this is not practical, the designer should respond as to the reason. *EXPLAINED IN FAX 5/16/06*
- ✓ There are no details for the generator pad, as to the design needed to support the generator. *PAD DETAIL ADDED*
- ✓ Previous specifications provided indicate the use of VFD's. We are not aware if those have been modified. It appears that VFD's will not be used. *EXPLAINED IN FAX 5/16/06*
- ✓ The plans still do not seem to provide enough detail on electrical and the necessary conduit and wire sizes for construction. In addition, a wiring diagram would be helpful in understanding the operations of the facility. *- CONDUIT SIZE ADDED TO ELECTRICAL SCHEMATIC - CONTROL PANEL WIRING TO BE DONE BY SUPPLIER*
- ✓ A copy of the DEQ approval is still required. *PROVIDED IN FAX 5/16/06*

If you have any questions, concerns, or comments, please contact me at the above referenced number,

Sincerely,


Charles D. Riedlinger, P.E.
Senior Vice President

/rt



RECYCLED PAPER

9560 Kings Charter Drive • P.O. Box 6160 • Ashland, VA 23005-6160
(804) 550 9200 • Fax (804) 550-9259



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L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

Gerard Seeley, Jr.
Regional Director

May 4, 2006

King William County
McCauley Park Subdivision
Revision 4, Standby Generator
21324

Todd Rodgers
McCauley Park, LLC
7240 Lee Davis Road
Mechanicsville, Virginia 23111

Dear Mr. Rodgers

This Office has received revised plans as prepared by Balzer and Associates, for the referenced facility. The plans entitled "McCauley Park, Pump Station, Plans and Specifications" with four revisions include ten sheets and are engineer stamp dated April 19, 2006. The specifications entitled "Electric Power System Specification" April 11, 2006.

The project consists of a previously approved gravity collection system, pump station and force main to serve a residential and commercial park. This revision adds standby power to the pump station. King William County will own the facility.

The evaluation of this revision has been confined to technical requirements and design criteria, as stipulated in the Commonwealth of Virginia *Sewage Collection and Treatment Regulations*.

In accordance with Virginia Water Control Law, *Code of Virginia*, 1950 as amended in Title 62.1, Section 62.1-44.19, this letter report is to advise that the previously mentioned revision is technically adequate and is approved by this office with the condition that provisions regarding the standby power are included in the Operations and Maintenance Manual.

King William County
McCauley Park Subdivision
Revision 4, Standby Generator
21324

One set of the previously described plans and specifications with Virginia Department of Environmental Quality approval stickers is enclosed.

This letter is your Certificate to Construct

Sincerely,

A handwritten signature in black ink, appearing to read "Raymond R. Barrows, Jr.", with a stylized flourish at the end.

Raymond R. Barrows, Jr., P.E.
Area Engineer
Office of Wastewater Engineering

J. R. Bell Jr., DEQ-PRO
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James C Pyne, Ph.D., P.E., HRSD